



Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

ATTY. DOCKET NO.
0020-4964PAPPLICATION NO.
10/070,690APPLICANT
Yoshiyuki HIRAGA et al.FILING DATE
March 8, 2002GROUP
1774**RECEIVED**
DEC 19 2003
TC 1700**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	US 5,180,803		1993-01-19	GIBBARD			
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						

FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

EXAMINER

DATE CONSIDERED

[Signature]
8/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<p>Form PTO-1449</p> <p style="text-align: center;">INFORMATION DISCLOSURE CITATION IN AN APPLICATION</p> <p style="text-align: center;">(Use several sheets if necessary)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ATTY DOCKET NO. 0020-4964P</td> <td style="width: 50%;">APPLICATION NO. NEW 10/070690</td> </tr> <tr> <td colspan="2">APPLICANT HIRAGA, Yoshiyuki et al.</td> </tr> <tr> <td>FILING DATE March 8, 2002</td> <td>GROUP 1774</td> </tr> </table>	ATTY DOCKET NO. 0020-4964P	APPLICATION NO. NEW 10/070690	APPLICANT HIRAGA, Yoshiyuki et al.		FILING DATE March 8, 2002	GROUP 1774
ATTY DOCKET NO. 0020-4964P	APPLICATION NO. NEW 10/070690						
APPLICANT HIRAGA, Yoshiyuki et al.							
FILING DATE March 8, 2002	GROUP 1774						

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	3,969,435	1976-07-13	Bailey et al.	X	X	
	3,085,083	1963-04-09	Schreyer			
	4,626,587	1986-12-02	Morgan et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	0 789 038 A1	1997-08-13	EP	X	X		
	0 648 787 A1	1995-04-19	EP				
	10-17621 A	1998-01-20	JP				ABS
	11-210941 A	1999-08-06	JP				ABS
	10-292054 A	1998-11-04	JP				ABS
	0 870 792 A1	1998-10-14	EP				
	99/46307 A1	1999-09-16	WO				ABS
	2521842 B2	1996-05-31	JP				ABS
	0 423 995 A1	1991-04-24	EP				

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

<p>EXAMINER</p>	<p>DATE CONSIDERED 8/04</p>
<p>EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.S.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	